

JFW

Atty. Dkt. No. 016778-0473

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Nobuya HARANO  
Title: ANTENNA APPARATUS  
HAVING HIGH RECEIVING  
EFFICIENCY  
Appl. No.: 10/784,159  
Filing Date: 02/24/2004  
Examiner: Wong, Don K.  
Art Unit: 2821

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits, and within three (3) months of the mailing date of the foreign search report.

**RELEVANCE OF EACH DOCUMENT**

A translation of a portion of a Japanese Office Action mailed January 5, 2005, with respect to a counterpart Japanese patent application is provided below.

Claims 1-4

Cited Literature        1

Remarks

Cited Literature 1 describes an internal antenna with a passive element established at the 90-degree position, and the invention of this application is recognized as something that could easily be arrived at by one skilled in the art based on the aforementioned cited example.

List of Cited Literature

1.        Japanese Unexamined Patent Application Publication H11-312923

Record of Prior Art Literature Search Results

Fields searched        IPC 7th Edition

H01Q 1/24@Z

Prior art literature

Japanese Unexamined Utility Model Application S62-161410,

Japanese Unexamined Patent Application Publication 2000-031721, Japanese

Unexamined Patent Application Publication H06-334420,

Japanese Unexamined Patent Application Publication H06-069715

This Record of Prior Art Literature Search Results does not constitute a reason for rejection.

Applicant's statements regarding the Japanese Office Action are based on a partial translation that Applicant's representative obtained. These statements should in no way be considered as an agreement by Applicant with, or an admission of, what is asserted in the Japanese Office Action.

U.S. Patent No. 6147650 (A1) is an English-language counterpart of Japanese Unexamined Patent Application Publication No. 11-312923 (A2). English-language abstracts of the foreign-language documents have been provided where readily available. The absence of a translation or an English-language counterpart document does not relieve the PTO from its duty to consider any submitted document (37 CFR §1.98 and MPEP§609).

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

### **STATEMENT**

The undersigned hereby states in accordance with 37 CFR §1.704(d) that each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR §1.56(c) more than thirty days prior to the filing of the information disclosure statement.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or

even entirely missing, the Commissioner is authorized to charge the unpaid amount to  
Deposit Account No. 19-0741.

Respectfully submitted,

Date February 5, 2005

FOLEY & LARDNER LLP  
Customer Number: 22428  
Telephone: (202) 672-5407  
Facsimile: (202) 672-5399

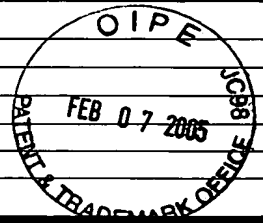
By 

David A. Blumenthal  
Attorney for Applicant  
Registration No. 26,257

Phillip J. Articola  
Registration No. 38,819

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: February 7, 2005 <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b> Application Number: 10/784,159 Filing Date: 02/24/2004 First Named Inventor: Nobuya HARANO Group Art Unit: 2821 Examiner Name: Wong, Don K. Attorney Docket Number: 016778-0473	
Sheet	1	of	1		



U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	6147650		Kawahata et al.	11-14-2000	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A2	JP	11-312923	A	Murata Mfg. Co. Ltd.	11-09-1999		A
	A3	JP	62-161410	U		10-14-1987		
	A4	JP	2000-31721	A	Sueyama H (SUEY-I)	01-28-2000		A
	A5	JP	6-334420	A	Casio Comput Co. Ltd.	12-02-1994		A
	A6	JP	6-069715	A	Nippon Mektron Ltd.	03-11-1994		A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.